```
EEEEEEEEEEEEEEEEE  DDDDDDDDDD      TTTTTTTTTTTTTTT
EEEEEEEEEEEEEEEEE  DDDDDDDDDD      TTTTTTTTTTTTTTT
EEEEEEEEEEEEEEEEE  DDDDDDDDDD      TTTTTTTTTTTTTTT
EEE                DDD      DDD         TTT
EEE                DDD      DDD         TTT
EEE                DDD      DDD         TTT
EEE                DDD      DDD         TTT
EEE                DDD      DDD         TTT
EEEEEEEEEEEE       DDD      DDD         TTT
EEEEEEEEEEEE       DDD      DDD         TTT
EEEEEEEEEEEE       DDD      DDD         TTT
EEE                DDD      DDD         TTT
EEE                DDD      DDD         TTT
EEE                DDD      DDD         TTT
EEE                DDD      DDD         TTT
EEE                DDD      DDD         TTT
EEEEEEEEEEEEEEEEE  DDDDDDDDDD          TTT
EEEEEEEEEEEEEEEEE  DDDDDDDDDD          TTT
EEEEEEEEEEEEEEEEE  DDDDDDDDDD          TTT
```

```
CCCCCCCC  HH      HH  MM          MM   SSSSSSSS  EEEEEEEEEE  NN      NN  DDDDDDD     EEEEEEEEEE  LL
CCCCCCCC  HH      HH  MM          MM   SSSSSSSS  EEEEEEEEEE  NN      NN  DDDDDDDD    EEEEEEEEEE  LL
CC        HH      HH  MMMM    MMMM    SS         EE          NN      NN  DD      DD  EE          LL
CC        HH      HH  MMMM    MMMM    SS         EE          NN      NN  DD      DD  EE          LL
CC        HH      HH  MM  MM  MM      SS         EE          NNNN    NN  DD      DD  EE          LL
CC        HH      HH  MM  MM  MM      SS         EE          NNNN    NN  DD      DD  EE          LL
CC        HHHHHHHHHH  MM          MM   SSSSSS    EEEEEEE     NN  NN  NN  DD      DD  EEEEEEE      LL
CC        HHHHHHHHHH  MM          MM   SSSSSS    EEEEEEE     NN  NN  NN  DD      DD  EEEEEEE      LL
CC        HH      HH  MM          MM          SS  EE          NN    NNNN  DD      DD  EE          LL
CC        HH      HH  MM          MM          SS  EE          NN    NNNN  DD      DD  EE          LL
CC        HH      HH  MM          MM          SS  EE          NN      NN  DD      DD  EE          LL
CC        HH      HH  MM          MM          SS  EE          NN      NN  DD      DD  EE          LL
CCCCCCCC  HH      HH  MM          MM   SSSSSSSS  EEEEEEEEEE  NN      NN  DDDDDDD     EEEEEEEEEE  LLLLLLLLLL   ....
CCCCCCCC  HH      HH  MM          MM   SSSSSSSS  EEEEEEEEEE  NN      NN  DDDDDDD     EEEEEEEEEE  LLLLLLLLLL   ....
```

```
LL            IIIIII      SSSSSSSS
LL            IIIIII      SSSSSSSS
LL              II      SS
LL              II      SS
LL              II      SS
LL              II      SS
LL              II        SSSSSS
LL              II        SSSSSS
LL              II              SS
LL              II              SS
LL              II              SS
LL              II              SS
LLLLLLLLLL  IIIIII      SSSSSSSS
LLLLLLLLLL  IIIIII      SSSSSSSS
```

```
   1    0001   0 %TITLE 'EDT$CHMSENDEL - find a sentence delimiter'
   2    0002   0 MODULE EDT$CHMSENDEL (                              ! Find a sentence delimiter
   3    0003   0              IDENT = 'V04-000'                      ! File: CHMSENDEL.BLI Edit: JBS1003
   4    0004   0              ) =
   5    0005   1 BEGIN
   6    0006   1 !
   7    0007   1 !******************************************************************
   8    0008   1 !*                                                                *
   9    0009   1 !*   COPYRIGHT (c) 1978, 1980, 1982, 1984 BY                      *
  10    0010   1 !*   DIGITAL EQUIPMENT CORPORATION, MAYNARD, MASSACHUSETTS.       *
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  19    0019   1 !*                                                                *
  20    0020   1 !*   THE INFORMATION IN THIS SOFTWARE IS  SUBJECT TO CHANGE WITHOUT NOTICE  *
  21    0021   1 !*   AND  SHOULD  NOT  BE  CONSTRUED AS  A COMMITMENT BY DIGITAL EQUIPMENT  *
  22    0022   1 !*   CORPORATION.                                                 *
  23    0023   1 !*                                                                *
  24    0024   1 !*   DIGITAL ASSUMES NO RESPONSIBILITY FOR THE USE  OR  RELIABILITY OF ITS  *
  25    0025   1 !*   SOFTWARE ON EQUIPMENT WHICH IS NOT SUPPLIED BY DIGITAL.      *
  26    0026   1 !*                                                                *
  27    0027   1 !*                                                                *
  28    0028   1 !******************************************************************
  29    0029   1 !
  30    0030   1 !++
  31    0031   1 ! FACILITY:      EDT -- The DEC Standard Editor
  32    0032   1 !
  33    0033   1 ! ABSTRACT:
  34    0034   1 !
  35    0035   1 !     This module looks for a sentence delimiter.
  36    0036   1 !
  37    0037   1 ! ENVIRONMENT:  Runs at any access mode - AST reentrant
  38    0038   1 !
  39    0039   1 ! AUTHOR: Bob Kushlis, CREATION DATE: Unknown
  40    0040   1 !
  41    0041   1 ! MODIFIED BY:
  42    0042   1 !
  43    0043   1 ! 1-001 - Original.  DJS 04-Feb-1981.  This module was created by
  44    0044   1 !         extracting the routine EDT$$FND_SENDLIM  from CHANGE.BLI.
  45    0045   1 ! 1-002 - Regularize headers.  JBS 03-Mar-1981
  46    0046   1 ! 1-003 - Improve the appearance of the listing.  JBS 14-Jun-1983
  47    0047   1 !--
  48    0048   1
  49    0049   1
```

```
  51      0050   1   %SBTTL 'Declarations'
  52      0051   1   !
  53      0052   1   !  TABLE OF CONTENTS:
  54      0053   1   !
  55      0054   1
  56      0055   1   REQUIRE 'EDTSRC:TRAROUNAM';
  57      0494   1
  58      0495   1   FORWARD ROUTINE
  59      0496   1       EDT$$FND_SENDLIM;                              ! Look for a sentence delimiter
  60      0497   1
  61      0498   1   !
  62      0499   1   !  INCLUDE FILES:
  63      0500   1   !
  64      0501   1
  65      0502   1   REQUIRE 'EDTSRC:EDTREQ';
  66      0637   1
  67      0638   1   !
  68      0639   1   !  MACROS:
  69      0640   1   !
  70      0641   1   !      NONE
  71      0642   1   !
  72      0643   1   !  EQUATED SYMBOLS:
  73      0644   1   !
  74      0645   1   !      NONE
  75      0646   1   !
  76      0647   1   !  OWN STORAGE:
  77      0648   1   !
  78      0649   1   !      NONE
  79      0650   1   !
  80      0651   1   !  EXTERNAL REFERENCES:
  81      0652   1   !
  82      0653   1   !      In the routine
```

EDT$CHMSENDEL   K 11
V04-000   EDT$CHMSENDEL - find a sentence delimiter   16-Sep-1984 00:11:53   VAX-11 Bliss-32 V4.0-742   Page 3
              EDT$$FND_SENDLIM - find a sentence delimiter   14-Sep-1984 12:22:46   [EDT.SRC]CHMSENDEL.BLI;1   (3)

```
 84    0654   1    %SBTTL 'EDT$$FND_SENDLIM  - find a sentence delimiter'
 85    0655   1
 86    0656   1    GLOBAL ROUTINE EDT$$FND_SENDLIM (                          ! Find a sentence delimiter
 87    0657   1        INC                                                    ! Include the delimiter in the found string
 88    0658   1        ) =
 89    0659   1
 90    0660   1    !++
 91    0661   1    ! FUNCTIONAL DESCRIPTION:
 92    0662   1    !
 93    0663   1    !     Look for a sentence delimiter.  If one is found, move to the right
 94    0664   1    !     over it.  A sentence delimiter must be a character in the set of
 95    0665   1    !     delimiters followed by a space or a <CR>.
 96    0666   1    !
 97    0667   1    ! FORMAL PARAMETERS:
 98    0668   1    !
 99    0669   1    !   INC                        indicates whether or not the delimiter should
100    0670   1    !                              be included.
101    0671   1    !
102    0672   1    ! IMPLICIT INPUTS:
103    0673   1    !
104    0674   1    !     EDT$$A_US_ENT
105    0675   1    !     EDT$$A_LN_END
106    0676   1    !     EDT$$A_LN_PTR
107    0677   1    !
108    0678   1    ! IMPLICIT OUTPUTS:
109    0679   1    !
110    0680   1    !     NONE
111    0681   1    !
112    0682   1    ! ROUTINE VALUE:
113    0683   1    !
114    0684   1    !     A value of 1 is returned if a delimiter is found, 0 otherwise.
115    0685   1    !
116    0686   1    ! SIDE EFFECTS:
117    0687   1    !
118    0688   1    !     NONE
119    0689   1    !
120    0690   1    !--
121    0691   1
122    0692   2        BEGIN
123    0693   2
124    0694   2        EXTERNAL ROUTINE
125    0695   2            EDT$$TST_ENTDELIM,                                  ! Determine if the current character is an entity delimiter
126    0696   2            EDT$$CS_LEFT,                                       ! Move left a character
127    0697   2            EDT$$CS_RIGHT;                                      ! Move right a character
128    0698   2
129    0699   2        EXTERNAL
130    0700   2            EDT$$A_US_ENT : VECTOR,                             ! Pointers to user defined entities
131    0701   2            EDT$$A_LN_END,                                      ! End of current line pointer
132    0702   2            EDT$$A_LN_PTR;                                      ! Current character pointer
133    0703   2
134    0704   2    !+
135    0705   2    ! Look for a sentence delimiter.
136    0706   2    !-
137    0707   2
138    0708   2        IF EDT$$TST_ENTDELIM (.EDT$$A_US_ENT [1])
139    0709   2        THEN
140    0710   3            BEGIN
```

```
 141   0711  3  !+
 142   0712  3  ! Move to next character.
 143   0713  3  !-
 144   0714  3          EDT$$CS_RIGHT ();
 145   0715  3  !+
 146   0716  3  ! If we are at the end of a line, accept the sentence and
 147   0717  3  ! position either in front of or after the delimiter.
 148   0718  3  !-
 149   0719  3
 150   0720  4          IF CH$PTR_EQL (.EDT$$A_LN_PTR, .EDT$$A_LN_END)
 151   0721  3          THEN
 152   0722  4              BEGIN
 153   0723  4
 154   0724  4              IF .INC THEN EDT$$CS_RIGHT () ELSE EDT$$CS_LEFT ();
 155   0725  4
 156   0726  4              RETURN (1);
 157   0727  3              END;
 158   0728  3
 159   0729  3  !+
 160   0730  3  ! If the character is a blank, then accept the delimiter.
 161   0731  3  ! If we are to include the delimiter, include all trailing spaces.
 162   0732  3  !-
 163   0733  3
 164   0734  4          IF (CH$RCHAR (.EDT$$A_LN_PTR) EQL %C' ')
 165   0735  4          THEN
 166   0736  4              BEGIN
 167   0737  4
 168   0738  4              IF .INC
 169   0739  4              THEN
 170   0740  5                  BEGIN
 171   0741  5
 172   0742  5                  WHILE (CH$RCHAR (.EDT$$A_LN_PTR) EQL %C' ') DO
 173   0743  5                      EDT$$CS_RIGHT ();
 174   0744  5
 175   0745  5                  END
 176   0746  4              ELSE
 177   0747  4                  EDT$$CS_LEFT ();
 178   0748  4
 179   0749  4              RETURN (1);
 180   0750  3              END;
 181   0751  3
 182   0752  2          EDT$$CS_LEFT ();
 183   0753  2          END;
 184   0754  2
 185   0755  2  !+
 186   0756  2  ! We are not at a sentence delimiter, return 0;
 187   0757  2  !-
 188   0758  2          RETURN (0);
 189   0759  1      END;                                              ! of routine EDT$$FND_SENDLIM


                                                          .TITLE   EDT$CHMSENDEL EDT$CHMSENDEL – find a sentence d
                                                                            elimiter
                                                          .IDENT   \V04-000\

                                                          .EXTRN   EDT$$TST_ENTDELIM
                                                          .EXTRN   EDT$$CS_LEFT, EDT$$CS_RIGHT
```

```
                                                      .EXTRN    EDT$$A_US_ENT, EDT$$A_LN_END
                                                      .EXTRN    EDT$$A_LN_PTR

                                                      .PSECT    _EDT$CODE,NOWRT,   SHR,   PIC,2

                              001C 00000              .ENTRY    EDT$$FND_SENDLIM, Save R2,R3,R4      ; 0656
                   54 00000000G  00  9E 00002         MOVAB     EDT$$CS_LEFT, R4
                   53 00000000G  00  9E 00009         MOVAB     EDT$$A_LN_PTR, R3
                   52 00000000G  00  9E 00010         MOVAB     EDT$$CS_RIGHT, R2
                      00000000G  00  DD 00017         PUSHL     EDT$$A_US_ENT+4                      ; 0708
         00000000G  00         01  FB 0001D           CALLS     #1, EDT$$TST_ENTDELIM
                   38         50  E9 00024            BLBC      R0, 6$
                   62         00  FB 00027            CALLS     #0, EDT$$CS_RIGHT                    ; 0714
         00000000G  00         63  D1 0002A           CMPL      EDT$$A_LN_PTR, EDT$$A_LN_END        ; 0720
                   09         12 00031                BNEQ      1$
             1E  04 AC         E9 00033               BLBC      INC, 3$                             ; 0724
                   62         00  FB 00037            CALLS     #0, EDT$$CS_RIGHT
                   1C         11 0003A                BRB       4$                                  ; 0726
                   50         63  D0 0003C 1$:        MOVL      EDT$$A_LN_PTR, R0                   ; 0734
                   20         60  91 0003F            CMPB      (R0), #32
                   18         12 00042                BNEQ      5$
             0D  04 AC         E9 00044               BLBC      INC, 3$                             ; 0738
                   50         63  D0 00048 2$:        MOVL      EDT$$A_LN_PTR, R0                   ; 0742
                   20         60  91 0004B            CMPB      (R0), #32
                   08         12 0004E                BNEQ      4$
                   62         00  FB 00050            CALLS     #0, EDT$$CS_RIGHT                   ; 0743
                   F3         11 00053                BRB       2$
                   64         00  FB 00055 3$:        CALLS     #0, EDT$$CS_LEFT                    ; 0747
                   50         01  D0 00058 4$:        MOVL      #1, R0                              ; 0749
                                  04 0005B            RET
                   64         00  FB 0005C 5$:        CALLS     #0, EDT$$CS_LEFT                    ; 0752
                   50             D4 0005F 6$:        CLRL      R0                                  ; 0758
                                  04 00061            RET                                          ; 0759
```

; Routine Size: 98 bytes,   Routine Base: _EDT$CODE + 0000

;   190   0760 1
;   191   0761 1 !<BLF/PAGE>

EDT$CHMSENDEL   EDT$CHMSENDEL - find a sentence delimiter   N 11   VAX-11 Bliss-32 V4.0-742   Page 6
V04-000   EDT$$FND_SENDLIM - find a sentence delimiter   16-Sep-1984 00:11:53   (4)
                                                                     14-Sep-1984 12:22:46   [EDT.SRC]CHMSENDEL.BLI;1

; 193   0762 1 END   ! of module EDT$CHMSENDEL
; 194   0763 1
; 195   0764 0 ELUDOM

:   PSECT SUMMARY

:   Name   Bytes   Attributes

: _EDT$CODE   98 NOVEC,NOWRT, RD , EXE, SHR, LCL, REL, CON, PIC,ALIGN(2)

:   Library Statistics

:   -------- Symbols --------   Pages   Processing
:   File   Total   Loaded   Percent   Mapped   Time

: _255DUA28:[EDT.SRC]EDT.L32;1   377   1   0   40   00:00.2
: _255DUA28:[EDT.SRC]PSECTS.L32;1   2   1   50   7   00:00.1

:   COMMAND QUALIFIERS

:   BLISS/CHECK=(FIELD,INITIAL,OPTIMIZE)/NOTRACEBACK/LIS=LIS$:CHMSENDEL/OBJ=OBJ$:CHMSENDEL MSRC$:CHMSENDEL.BLI/UPDATE=(ENH$:C
:   HMSENDEL)

: Size: 98 code + 0 data bytes
: Run Time: 00:11.2
: Elapsed Time: 00:13.5
: Lines/CPU Min: 4111
: Lexemes/CPU-Min: 11176
: Memory Used: 68 pages
: Compilation Complete

CHMMRKCHG
LIS

CHMPARSEN
LIS

CHMSELPOS
LIS

CHMSPLLIN
LIS

DATA
LIS

CHMPAREN
LIS

CHMUNDEL
LIS

COMMAND
LIS

CHMONSTR
LIS

CHMSAVPOS
LIS

CHMSCHSTR
LIS

CHMREPOS
LIS

CHMMESS
LIS

CHMPASTE
LIS

CHMSENDEL
LIS

CHMTADJ
LIS

CHMSAVTXT
LIS

CLRKEY
LIS

CHMNEWLEN
LIS

CHMPARSE
LIS

CHMSAVLIN
LIS

CHMSUBS
LIS